

Library

Annual Report on the Health of Thornton Cleveleys For the Year 1953



Medical Officer of Health:

A. H. PENISTAN,
M.B., B.S. (Lond.), M.R.C.S. (Eng.), L.R.C.P. (Lond.),
F.Soc. M.O.H.

Chief Sanitary Inspector and Cleansing Officer:

A. E. BARNES,
M.R.S.I., M.S.I.A., A.M.I.P.C.,
Certified Meat and Food Inspector

Thornton Cleveleys Urban District Council

HEALTH COMMITTEE, 1953

Chairman : Councillor E. BUCKLEY, F.C.A.

Vice-Chairman : Councillor H. BARLOW

Councillor A. A. BROWN

Councillor F. R. CAVE, J.P.

Councillor W. A. CHADDERTON

Councillor T. E. CROFT

Councillor R. FITTON

Councillor A. L. SIMPSON

Chairman of the Council :

Councillor F. R. CAVE, J.P.

PUBLIC HEALTH OFFICERS

Medical Officer of Health :

ARTHUR HENRY PENISTAN, M.B., B.S.(Lond.),
M.R.C.S.(Eng.), L.R.C.P.(Lond.), F.Soc.M.O.H.

Chief Sanitary Inspector and Cleansing Officer :

ARTHUR EDWARD BARNES, M.R.S.I., M.S.I.A., A.M.I.P.C.
(Certified Meat and Food Inspector)

STAFF

Technical :

Temporary Technical Assistant :

KENNETH E. EMERY

Clerical :

Chief Clerk	....	....	....	....	Miss S. A. SIMCOCK
Clerk	....	....	....	....	Miss T. P. HALSTEAD

QUALIFICATIONS AND DUTIES OF CHIEF SANITARY INSPECTOR

Qualifications :

1. SANITARY INSPECTOR'S CERTIFICATE, Royal Sanitary Institute and Sanitary Inspectors' Joint Board.
2. MEAT AND FOOD INSPECTOR'S CERTIFICATE, Royal Sanitary Institute.
3. INSTITUTE OF PUBLIC CLEANSING Certificate.

Duties :

All duties defined in the Sanitary Officers' (Outside London) Regulations, which are applicable to an Urban District; and

1. Administration of Rag Flock and Other Filling Materials Act.
2. Administration of Pet Animals Act.
3. Administration of Dealers in Old Metal Act.
4. Authorised Officer, Heating Appliances (Fire Guards) Act, 1952.
5. Investigations, Watercourse and River Pollution.
6. Civil Defence, Part-time Civil Defence Instructor.

Technical Assistant :

QUALIFICATIONS : National Certificate in Building.

DUTIES : General Assistant to the Chief Sanitary Inspector.

The Health Committee of the Council are concerned directly with the administration of the above-named duties, and the Highways and Sewerage Committee of the Council control the cleansing of streets and the sewerage system in the district.

Thornton Cleveleys Urban District Council

MEDICAL OFFICER'S REPORT

Council Offices,
Thornton Cleveleys.

To the Chairman and Members of the
Thornton Cleveleys Urban District Council

GENTLEMEN,

I have pleasure in submitting my report on the health of the district for the year 1953.

There is nothing calling for special comment, as the public health has been maintained at its customary high level.

Special care continues to be exercised by your officers in the supervision of food and milk supplies.

I would again wish to record my warm appreciation of the excellent work carried out by the Chief Sanitary Inspector, Mr. A. E. Barnes, and all the staff of the Health Department.

I have the honour to be, Gentlemen,

Your obedient Servant,

A. H. PENISTAN.

VITAL STATISTICS

Home Population (Registrar-General's estimate, mid-1953) : 15,080

			M.	F.	Total
Live Births :	Legitimate	....	87	74	161
	Illegitimate	....	—	4	4
			<u>87</u>	<u>78</u>	<u>165</u>

Live Birth Rates per 1,000 of the population :

Crude Rate	....	10.9
Adjusted Rate	....	12.5

		M.	F.	Total
Deaths (All Causes) :	Number registered	95	110	205

Death Rate per 1,000 of the population :

Crude Rate	....	13.6
Adjusted Rate	....	10.2

Stillbirths :	Number registered :	M.	F.	Total
	Legitimate	2	1	3
	Illegitimate	—	1	1
		<u>2</u>	<u>2</u>	<u>4</u>

Rate per 1,000 total births 24

Maternal Mortality :

Number of deaths registered	....	1
Rate per 1,000 total births	....	5.92

Infant Mortality :

		M.	F.	Total
Number of deaths registered (under one year)	....	1	—	1
Rate per 1,000 live births	....	18		

Neo-Natal :

		M.	F.	Total
Number of deaths registered (under four weeks)	....	1	—	1
Rate per 1,000 live births	....	6		

Birth, Death and Infantile Mortality Rates (Adjusted) :

	Birth Rate	General Death Rate	Infantile Mortality Rate
1950	13.3	14.0	17
1951	13.9	13.7	16
1952	12.8	12.9	35
1953	12.5	10.2	18

	Per 1,000 of Estimated Population				Maternal Mortality Rate	Infantile Mortality Rate
	Live Birth Rate	Crude Death Rate	Death Rate from Tuberculosis of Respiratory System	Death Rate from Cancer		
MEAN OF FIVE YEARS:						
1948-1952	12.5	16.94	0.13	2.49	Nil	30
1952	11.3	17.20	0.07	2.72	Nil	35
1953	10.9	13.60	0.33	2.45	5.92	18
INCREASE OR DECREASE IN 1953 ON FIVE YEARS' AVERAGE:						
1948-1952	— 1.6	— 3.34	+ 0.20	— 0.04	+ 5.92	— 12
Previous Year	— 0.4	— 3.60	+ 0.26	— 0.27	+ 5.92	— 17

1953.—Adjusted birth rate (comparability factor 1.14) = 12.5 per 1,000.

1953.—Adjusted death rate (comparability factor 0.75) = 10.2 per 1,000.

STATISTICAL SUMMARY

Area in statute acres	3,355
Population (1951 Census)	15,437
Population (estimated mid-1953)	15,080
Density of population per acre	4.49
Estimated number of inhabited houses (December, 1953)	5,162
Rateable Value	£141,331
Sum represented by a Penny Rate	£573
Adjusted Birth Rate per 1,000 population	12.5
Adjusted Death Rate per 1,000 population	10.2
Infantile Death Rate per 1,000 Births registered	18
Maternal Mortality	5.92
Phthisis Death Rate per 1,000 population	0.33
Cancer Death Rate (Malignant Neoplasm)	2.59
Influenza Death Rate	0.13
Pneumonia (all forms) Death Rate	0.46
Respiratory Diseases (all forms)	0.06

ACTS IN FORCE IN THE DISTRICT

Thornton Urban District Council Act, 31st July, 1923.
 Thornton Cleveleys Improvement Act, 31st July, 1936.
 Lancashire County Council (General Powers) Act, 1951.
 Public Health Acts Amendment Act, 1907—Sec. 86, September, 1952.

BYE-LAWS

Hackney Carriages	1908
New Streets	1904 (Revised)
Building Bye-laws (Public Health Act, 1936)	1954
Pleasure Grounds	1938
Bye-laws under Section 15, Food and Drugs Act, 1938	1950
Bye-laws under Section 81, Public Health Act, 1936	1951

PHYSICAL FEATURES AND GENERAL CHARACTER OF THE DISTRICT

By the Lancashire (Central and Western Areas) Review Order, 1934, a part of the Township of Carleton, containing 354 acres, was added to the Urban District on the 1st April, 1934. The district is bounded on the west by the Irish Sea, on the east by the River Wyre, on the north by the Borough of Fleetwood, and on the south by the County Borough of Blackpool.

Consequent upon the addition of a part of Carleton to the district, the Ward boundaries were altered as from 1st April, 1934.

The Watereourses of the district flow eastward into the River Wyre.

GEOLOGY

The general sub-soil of the district is clay, which is overlaid with a thick layer of alluvial deposit (blue silt), varying in thickness from four to eight feet. On top of this is a thin layer (about four inches) of peaty matter. This was found in considerable thickness in Butts Road (North Ward) and also in Fleetwood Road (South Ward). On top of this again is a layer of sandy soil or a mixture of soil and elay, varying in thickness from two-and-a-half feet to four feet. The surface covering is about six inches in thickness. From above, downwards, we get (1) surface covering, (2) mixture of soil and clay or sandy soil, (3) peat, (4) blue silt, (5) boulder clay.

CLIMATE

The prevailing wind is a westerly sea breeze. An abundance of summer sunshine, together with usually mild winters, produces a temperate and very bracing climate.

AREA AND DETAILS OF POPULATION

As previously mentioned, the area of Thornton Cleveleys was, on the 1st April, 1934, increased by the inclusion of a part of the Parish of Carleton, the total area now being given as 3,355 aeres.

The average number of persons per acre is 4.49.

The district is divided into Wards, viz. :—

North Ward.—This is the industrial area of the district, and has within its boundaries the works of the Imperial Chemical Industries Ltd. It is bounded on the north by the Borough of Fleetwood, on the west by the eastern boundary of South Ward, and on the east by the River Wyre. Its southern boundary cuts the remaining portion of the district roughly in half and forms the northern boundary of East Ward. The number of houses in North Ward is 735.

South Ward.—The western boundary adjoins that of West Ward, and its eastern boundary is a building plot depth west of Fleetwood Road, which it follows throughout the district. It is flat in character and is residential, a portion of Cleveleys being within its boundaries. The number of houses in South Ward is 1,523.

East Ward.—This is the agricultural area of the district and also includes part of the added area. Its boundaries adjoin the North and South Wards, the River Wyre and the Urban District of Poulton-le-Fylde. The number of houses in East Ward is 1,291.

West Ward.—This ward was reduced in size on the alteration of the boundaries. Its eastern boundary is now a building plot depth east of Cleveleys Avenue. This Ward is in the Cleveleys portion of the district, a rapidly-growing seaside resort, which enjoys an increasing popularity with visitors from inland towns. It is flat in character, with a slight slope eastwards. The number of houses in West Ward is 1,613.

SOCIAL CONDITIONS, INDUSTRIES, Etc.

During the last few years the western portion of the district has rapidly developed as a seaside holiday resort, and, with the additional amenities now provided, together with the activities of private builders, the district as a whole has greatly benefited.

The largest employers of labour within the district are the Imperial Chemical Industries Ltd., who have large chemical and plastic works on the northern boundary. There is still a large portion of the district devoted to agriculture. A large number of people are employed at the offices of the Ministry of Pensions and National Insurance, which are situated in our area.

During the period under review there has been comparatively little unemployment here.

PART I.—VITAL STATISTICS

Population.—The population at Census 1951 was 15,437.

Registrar-General's Estimate, mid-1953	....	....	15,080
Number of Inhabited Houses as at 31st December, 1953			5,162
Average Number of Persons per House	....	....	2.9

BIRTHS

During the year 165 births were recorded by the Registrar-General, comprising 87 males and 78 females.

Birth rate for district (adjusted): 12.5 per 1,000, as against 12.8 for 1952.

Birth rate for England and Wales: Live Births, 15.5.

Still births: 22.4 per 1,000 total (Live and Still) births.

DEATHS

Based on a population of 15,080, the Registrar-General gives the Death Rate (adjusted) as 10.2, as against 12.9 for 1952. The Death Rate for England and Wales is 11.4 per 1,000.

The allocation to the various Wards of the district (after excluding transferable deaths and including local residents dying outside the district), is as follows:

	Ward		Males		Females		Total
North	16	....	16	....	32
South	22	....	38	....	60
East	18	....	22	....	40
West	39	....	34	....	73
			<hr/>		<hr/>		<hr/>
			95	....	110	....	205
			<hr/>		<hr/>		<hr/>

INFANTILE MORTALITY

During the year four deaths of Infants under one year occurred.

The Infantile Mortality Rate is 18, as against 35 for 1952.

The Infantile Mortality Rate for England and Wales is 26.8, as against 27.6 for 1952.

Thornton Cleveleys
Urban District Council

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Health*

OR :

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0·33

Nil

2·59

*Council Offices,
Thornton,
Blackpool.*

INQUESTS AND INQUIRIES

During the year there were 16 Inquests and Inquiries on residents belonging to the district, as follows :

North Ward.

- (1) Male, 49 years. Toxæmia and toxic myocarditis due to acute diffuse peritonitis.
- (2) Female, 68 years. Syncope—fatty degeneration of heart.
- (3) Female, 78 years. Peritonitis.

South Ward.

- (4) Female, 81 years. Misadventure—pneumonia following fall.
- (5) Female, 59 years. Pheno Barbitone poisoning—suicide while the balance of her mind was disturbed.
- (6) Female, 41 years. Cardiac failure due to major epilepsy.

East Ward.

- (7) Female, 30 years. Yellow atrophy of liver—one week post parturition.
- (8) Female, 39 years. Syncope—cardiac hypertrophy.
- (9) Female, 86 years. Accidental—fracture of right femur.

West Ward.

- (10) Male, 45 years. Accidental—falling from bedroom window.
- (11) Female, 48 years. Misadventure — myocardial failure — administration of a general anæsthetic.
- (12) Male, 2 months. Bronchial pneumonia.
- (13) Female, 54 years. Shock from perforated gastric ulcer.
- (14) Female, 90 years. Misadventure—pneumonia following fall downstairs.
- (15) Female, 76 years. Hepato renal failure.
- (16) Male, 26 years. Misadventure—motor cycle in collision with car.

AGES AT DEATH

	Males	Females	Total
Under one week	—	—	—
One week to six months	2	1	3
Six months to 12 months	—	—	—
Total under one year	2	1	3
One to five years	—	—	—
Total under five years	2	1	3
5 to 15 years	—	1	1
15 to 25 years	—	—	—
25 to 45 years	3	5	8
45 to 65 years	24	21	45
65 years and over	66	82	148
	<u>95</u>	<u>110</u>	<u>205</u>

CAUSES OF DEATH

	Males	Females	Total
All causes	95	110	205
Respiratory tuberculosis	3	2	5
Malignant neoplasm—stomach	5	3	8
Malignant neoplasm—lung, bronchus	2	1	3
Malignant neoplasm—breast	—	2	2
Malignant neoplasm—uterus	—	2	2
Other malignant and lymphatic neoplasms	7	15	22
Leukæmia—aleukæmia	1	1	2
Vascular lesions of nervous system	18	12	30
Coronary disease, angina	9	4	13
Hypertension with heart disease	2	2	4
Other heart disease	26	28	54
Other circulatory disease	2	5	7
Influenza	1	1	2
Bronchitis	5	4	9
Pneumonia	5	2	7
Other diseases of respiratory system	—	1	1
Ulcer of stomach and duodenum	1	2	3
Nephritis and nephrosis	1	4	5
Hyperplasia of prostate	1	—	1
Pregnancy, childbirth, abortion	—	1	1
Other defined and ill-defined diseases	4	14	18
Motor vehicle accidents	1	—	1
All other accidents	1	3	4
Suicide	—	1	1

INFECTIOUS DISEASE

There were 239 cases of Infectious Disease notified during the year, as against 134 cases in 1952, and were as follows :

				Total Cases Notified	Cases admitted to Hospitals or Sanatoria			Total Deaths
Chicken Pox	....	....	....	24	....	—	....	—
Measles	....	....	....	23	....	—	....	—
Whooping Cough	....	....	....	89	....	—	....	—
Erysipelas	....	....	....	6	....	—	....	—
Scarlet Fever	....	....	....	25	....	2	....	—
Food Poisoning	....	....	....	60	....	—	....	—
Dysentery	....	....	....	1	....	—	....	—
Pneumonia	....	....	....	1	....	—	....	9
Pulmonary Tuberculosis	....	....	....	8	....	7	....	4
Non-Pulmonary Tuberculosis	....	....	....	2	....	—	....	—
				<u>239</u>	....	<u>9</u>	....	<u>13</u>

The distribution in relation to the wards of the district is as follows :

			North		South		East		West		Total
Chicken Pox	....	....	3	....	6	....	10	....	5	....	24
Measles	....	....	1	....	12	....	4	....	6	....	23
Whooping Cough	....	....	11	....	16	....	7	....	55	....	89
Erysipelas	....	....	—	....	2	....	—	....	4	....	6
Scarlet Fever	....	....	8	....	7	....	5	....	5	....	25
Food Poisoning	....	....	12	....	8	....	16	....	24	....	60
Dysentery	....	....	—	....	—	....	—	....	1	....	1
Pneumonia	....	....	—	....	—	....	—	....	1	....	1
Pulmonary Tuberculosis	....	....	1	....	—	....	4	....	3	....	8
Non-Pulmonary Tuberculosis	....	....	—	....	—	....	1	....	1	....	2
			<u>36</u>	....	<u>51</u>	....	<u>47</u>	....	<u>105</u>	....	<u>239</u>

CASES NOTIFIED

The following Table shows the number of cases and the months in which they were notified.

DISEASE	January	February	March	April	May	June	July	August	September	October	November	December	TOTAL
Chicken Pox	3	1	7	6	-	2	3	-	1	1	-	-	24
Measles	4	11	3	-	2	-	1	2	-	-	-	-	23
Whooping Cough	23	18	15	5	6	13	3	-	-	6	-	-	89
Erysipelas	2	-	1	1	-	-	1	1	1	-	-	-	6
Scarlet Fever	2	2	-	2	1	-	2	1	1	1	6	7	25
Food Poisoning	-	-	4	-	-	44	-	6	3	-	3	-	60
Dysentery	-	-	-	-	-	-	1	-	-	-	-	-	1
Pneumonia	-	-	-	-	-	-	-	-	-	-	-	1	1
Pulmonary Tuberculosis	-	1	-	1	-	-	3	1	1	1	-	-	8
Non-Pulmonary Tuberculosis	2	-	-	-	-	-	-	-	-	-	-	-	2
	36	33	30	15	9	59	14	11	6	9	9	8	239

CASES NOTIFIED—AGE PERIODS

DISEASE	Under 1 Year	1—2	2—3	3—4	4—5	5—10	10— 15	15— 20	20— 35	35— 45	45— 65	Over 65	TOTAL
Chicken Pox	1	-	3	4	4	9	1	-	1	1	-	-	24
Measles	-	1	4	3	2	9	2	2	-	-	-	-	23
Whooping Cough	8	13	10	14	9	31	1	1	1	-	-	1	89
Erysipelas	-	-	-	-	-	-	-	-	-	1	4	1	6
Scarlet Fever	-	-	-	-	1	21	3	-	-	-	-	-	25
Food Poisoning	2	-	1	2	3	7	1	1	9	10	19	5	60
Dysentery	-	1	-	-	-	-	-	-	-	-	-	-	1
Pneumonia	-	-	-	-	-	1	-	-	-	-	-	-	1
Pulmonary Tuberculosis	-	-	-	1	-	-	-	1	1	1	4	-	8
Non-Pulmonary Tuberculosis	-	-	-	-	-	-	-	1	1	-	-	-	2
Total	11	15	18	24	19	78	8	6	13	13	27	7	239

TUBERCULOSIS

The following Table shows the age periods of the cases notified.

AGE PERIODS	New Cases				Deaths			
	Pulmonary		Non-Pulmonary		Pulmonary		Non-Pulmonary	
	Males	Females	Males	Females	Males	Females	Males	Females
1 to 5 years	—	1	—	—	—	—	—	—
5 to 10 years	—	—	—	—	—	—	—	—
10 to 15 years	—	—	—	—	—	—	—	—
15 to 20 years	1	—	—	1	—	—	—	—
20 to 25 years	—	—	—	1	—	—	—	—
25 to 35 years	1	—	—	—	—	1	—	—
35 to 45 years	1	—	—	—	—	—	—	—
45 to 55 years	2	—	—	—	—	—	—	—
55 to 65 years	2	—	—	—	1	1	—	—
65 and upwards	—	—	—	—	1	—	—	—
	7	1	—	2	2	2	—	—

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BACTERIOLOGICAL EXAMINATIONS

These are carried out at the Public Health Laboratories, Manchester and Blackpool.

Examination of sputum for the tubercle bacillus is carried out at the Elswick Sanatorium.

Summary of Nursing Arrangements

Hospitals and other Institutions available for the District Nursing, Professional Nursing in the Home.

(a) In July, 1923, through the Thornton Clevcleys District Nursing Association, which is affiliated to the Queen Victoria Jubilee Institution of Nurses, the district was provided with a Nurse or Nurses, as occasion required. The services have given entire satisfaction and are a boon to the district.

Number of cases visited during the year	245
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Number of visits made during the year	6,441
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(b) **For Infectious Diseases.** No action has been required, but a Nurse will be engaged if necessary.

MATERNITY AND CHILD WELFARE

The County School Medical and Child Welfare Department in Church Road, Thornton, was opened in May, 1939. The School Medical Officer and Nurses (County Council) and ladies of the district attend weekly.

CHILD WELFARE

Number of occasions the Centre was opened	52
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Number of individual children attending :

Under one year	197
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One to two years	64
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Over two years	139
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—	400
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Number of attendances of children :

Under one year	1,825
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One to two years	544
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Over two years	699
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—	3,068
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ANTE NATAL

Number of attendances by expectant mothers :

Number of individual expectant mothers attending	237
Number of actual attendances	.... .... ....	1,301

Clinics and Treatment.—One clinic is situated in the district. Tuberculosis is dealt with by the County Tuberculosis Officer on notification. Venereal disease cases attend the Blackpool Centres at Victoria Hospital, Blackpool, and Fleetwood Hospital.

Nursing Homes.—There are now only two within the district.

Hospital.—None in the district. Cases are sent to Blackpool, Fleetwood, Preston, Manchester, etc. Ambulance facilities are good, and hospital facilities for Infectious Disease are satisfactory. The district is provided with hospital accommodation for smallpox at Elswick; infectious disease at Blackpool Isolation Hospital; sanatorium treatment at Elswick, Grange, High Carley and other centres.

FOOD POISONING OUTBREAKS

Total number of outbreaks	Number of cases	Number of deaths	Organisms or other agents responsible, with number of outbreaks of each	Food involved with number of outbreaks of each
Identified : 2	46	—	Salmonella bovis morbificans	Meat pies
Unidentified : 4	13	—	Not ascertained	Not known
Single cases : 1	1	—	Not ascertained	Not known

NATIONAL ASSISTANCE ACT, 1948. Sec. 47

No action was taken by the Council under the above Section.

CHIEF SANITARY INSPECTOR'S REPORT

Council Offices,
Thornton Cleveleys.

To the Chairman and Members of the
Thornton Cleveleys Urban District Council

GENTLEMEN,

I have the honour to present the Annual Report on the work of the Sanitary and Cleansing Department of the Council for the year 1952. This has been prepared in collaboration with the Medical Officer of Health, thus repetition has been avoided.

The work of the Department has proceeded in a satisfactory manner, and day-to-day attention has been given to improvements in living conditions; the eradication of nuisances and all matters necessary to the health and well-being of our community.

Careful supervision has been given to all premises where food is prepared and sold and at the present time improvements are taking place at some of the premises. Every endeavour is made by frequent visits to improve the standard of cleanliness and hygiene.

The Cleansing Service has carried on satisfactorily, and a weekly collection from all premises has been maintained throughout the year. We collected and disposed of more salvage than in the previous year, yet the receipts were considerably lower. This was due, in the main, to the lower price we received for the sale of wastepaper. It is pleasing to report that although we are continually faced with rising costs of materials, the total cost for refuse collection and disposal was lower than in the previous year. The cost per 1,000 houses and per 1,000 population is also lower.

The housing position is still difficult, and many people are waiting for houses. Some overcrowding in the district does exist, but to ascertain the actual position a house-to-house survey would have to be made.

I desire to pay a sincere tribute to the members of the Council and the Health Committee for their help and ever-ready co-operation in all matters affecting the sanitary conditions of our district.

I especially thank the members of my staff for their helpful and loyal co-operation during the year.

I am, Gentlemen,

Your obedient Servant,

ARTHUR E. BARNES.

SANITARY CIRCUMSTANCES IN THE AREA

WATER SUPPLY

The district is supplied by the Fylde Water Board, the water being of good quality, pleasantly soft and of a peaty nature. Only one outlying house depends on well water.

Seven samples of water were obtained from the mains supply. Three were submitted for bacteriological examination and four for chemical analysis. All samples were satisfactory.

The water supply has been satisfactory in quality and quantity throughout the year.

Statistics

Total number of houses supplied by the Fylde Water Board	5,161
Total number of houses dependent upon well water	1
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	5,162
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The only house in the district dependent upon well water is remote from any mains supply, and it would be impossible, except at exorbitant cost, to have it connected to the mains supply.

DRAINAGE AND SEWERAGE

Owing to the flat nature of the district, a system of ejectors worked by compressed air is in operation. The sewage is discharged near dead low water into the Irish Sea. No extensive additions were made to the sewers during the year, but additions were made to drain the Council's housing estate.

Statistics

Dwelling houses using water carriage system	5,136
Dwelling houses using waste water closets	0
Dwelling houses using privy middens	1
Dwelling houses using pail closets	25
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	5,162
	<hr/>

Conversions during the year

Number of privy closets :	
To fresh water closets	0
To pail closets	4
Number of pail closets :	
To fresh water closets	0
Number of waste water closets :	
To fresh water closets	0
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It will not be possible for further conversions to take place until the sewers are extended. The 26 premises without modern sanitary accommodation are farms or outlying cottages and to which no sewers are available. Of the 5 privy middens in the area, 4 were converted during the year to pail closets and dustbins. Efforts are still being made to have the remaining one converted.

DRAINAGE

There are 70 to 80 premises in the district which are not connected to the Council's sewers, but which have septic tanks and filters, usually discharging to an adjacent watercourse. Some of these are not satisfactory in all respects, but are mostly in outlying districts where no public sewer is available. As and when sewers become available, these premises will be connected.

A district such as ours, due to its natural amenities, is bound to develop, and the utmost care should be taken, where practicable, to see that development takes place where sewers are available. It is most desirable that any new developments in this area should have proper drainage facilities connected to the Council's sewers, although it is appreciated that this cannot always be insisted upon. Before the end of the year, the Council had agreed to extend a portion of the sewer in one part of the district.

Improvements obtained as a result of action by the department

1. New drain laid, connected in a proper manner to inspection chamber on foul sewer. Defective pipes renewed	1
2. Renewal of defective rest bends and pipes	6
3. Smoke and colour testing of drains	8
4. Cleansing of septic tank and renewal of filter	1
5. Provision of additional w.c.s	3
6. Renewal of defective gully dishes	3

The department employs a man part-time on drainage work, the cost of clearing and cleansing the blocked drains being borne by the owner or occupier. This service to the public is much appreciated and also helps in the efficient working of the department. Preparation and service of notices are thus avoided, unless the blockage is due to structural defect of the drains.

Statistics

Total number of drains cleansed by the department	188
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PIG KEEPING IN THE AREA IN 1953

Number of premises keeping pigs	38
Number of pigs being kept	828
Number of premises previously used for pig keeping and not now being used	34
Number of premises where improvements are contemplated or have been carried out	11
Number of inspections carried out during year	122

Improvements, etc., made to Piggeries during the year 1953

Construction of new midden stead	3
Prevention of pollution of adjoining watercourses	1
Cleansing of site	1
Eradication of rats	4

PUBLIC CLEANSING

The work of the Public Cleansing Section of the Department has proceeded in a satisfactory manner. The collection of household refuse and salvage is carried out by a 16 cu. yd. S.D. (Newcastle type) side-loading freighter, with a cab to accommodate driver and four loaders; and a "W" type S.D. 16 cu. yd. side-loading freighter, also with a cab to accommodate driver and four loaders. A special weekly collection of wastepaper salvage from shop and business premises is carried out by one 11 cu. yd. S.D. freighter.

Throughout the year, a weekly collection of refuse and salvage from all premises in the district was maintained. If we are to get the maximum amount of salvage from the public, it is most essential that a weekly collection should operate. No additional men have been employed, although the number of houses has steadily increased.

Costings—Refuse Collection (Year ending 31st March, 1954)

Total gross cost involved: collection of house, shop, trade refuse and salvage	£ 7,804
Amount of salvage sales	1,431
Net cost	<u>£6,373</u>
Expenditure per 1,000 houses per annum	£ 1,235
Expenditure per 1,000 population per annum	423

DISPOSAL OF REFUSE

The Council own a plot of land approximately 9 acres in extent for this purpose, and at the end of the year it was estimated that $4\frac{1}{2}$ acres were still available. On our present yield, this amount of land will give us disposal facilities for a period of approximately three years. We use nearly $1\frac{1}{2}$ acres per year on our present depth of tipping.

The Council are considering a land reclamation scheme near the river on the easterly side of the district, and this question of additional disposal facilities was being actively pursued at the end of the year. It is hoped during 1954 to have made all necessary arrangements so that the disposal of refuse by means of controlled tipping will be possible for some years to come.

Costings—Refuse Disposal (Year ending 31st March, 1954)

Number of loads	1,862
Estimated weight (tons)	4,655
Total cost	£853
Cost per ton	3s. 9d.
Cost per 1,000 houses per annum	£165
Cost per 1,000 population per annum	£51

Costings—Refuse Collection and Disposal

Total cost	£ 7,226
Cost per 1,000 houses per annum	1,400
Cost per 1,000 population per annum	479

The costs for collection and disposal of refuse and salvage show a slight decrease over the previous year, in spite of increased charges, running costs and materials.

COLLECTION AND DISPOSAL OF SALVAGE

The Council continued with the collection of waste paper and other salvage, and during the year we experienced little difficulty in disposing of it. The price for the sale of baled paper remained at £5 per ton until 31st August, 1953, when it was increased to £5 10s. 0d. per ton. A further increase of 10/- per ton was made on the 1st December, 1953, making the total of £6 per ton.

The price we received for waste paper covered the costs of recovery and baling, although a large margin was not left for the Council. By operating a separate collection of waste paper from shops and business premises, it does ensure that we return to the paper manufacturers waste paper in a reasonably clean condition. We hope there will be further increases in the price of paper, which will, no doubt, help to stimulate more intensive collection and separation.

Thanks are due to the workmen engaged on refuse and salvage collection and disposal for the co-operation they have given during the year.

Salvage disposed of during the Year

	1953			1952		
	tons	cwts.	lbs.	£	s.	d.
Waste Paper	221	7	42	1,147	16	6
Mixed Rags	5	15	89	138	14	9
Carpets	2	18	47	8	15	3
Iron (light and heavy)	18	9	56	24	19	3
Mixed Metals	0	5	34	15	18	1
Loose Tins	16	7	28	29	4	8
Tyres	0	1	63	4	15	11
Miscellaneous	—			1	18	6
Bottles and Jars	—			—		
	265	5	23	£1,372	2	11
	241	10	86			

SPECIAL SALVAGE DRIVES

No special salvage drives were held during the year.

REFUSE COLLECTION STATISTICS

	1953 (Jan.—Dec.)	1952 (Jan.—Dec.)
Estimated tonnage collected	4,655	4,325
Total mileage run by vehicles	16,924	15,927
Number of visits to premises	274,111	272,061
Number of ashbins emptied	323,320	318,119

MONTHLY ANALYSIS OF REFUSE COLLECTION AND DISPOSAL

Month	Loads	Approx. Weight Tons	Visits to Premises	Ashbins emptied	Mileage
January	160	400	22,371	26,935	1,313
February	130	325	21,150	25,245	1,283
March	162	405	21,096	25,196	1,342
April	150	375	23,983	27,287	1,484
May	152	380	23,079	26,995	1,361
June	160	400	23,329	26,766	1,464
July	172	430	24,642	29,529	1,637
August	156	390	21,005	24,846	1,296
September	164	410	23,554	27,564	1,425
October	160	400	23,407	27,646	1,440
November	140	350	21,358	25,481	1,341
December	156	390	25,137	29,830	1,538
	<u>1,862</u>	<u>4,655</u>	<u>274,111</u>	<u>323,320</u>	<u>16,924</u>

Employees

Foreman	1
Motor Drivers	3
Refuse and Salvage Collectors	10
Paper Balers	2
Tip Man	1

Total : 17

Owing to holidays and sickness, the number of employees shown was not always available throughout the year, but shows the present minimum requirements of the department.

SANITARY INSPECTIONS

The following table shows the number of inspections carried out during the year.

Number of premises visited	3,683
Number of defects or nuisances discovered	326
Number of defects or nuisances abated	316
Number of Informal Notices served	33
Number of Statutory Notices served	10

WORK CARRIED OUT

Sanitary Accommodation :

Cesspools cleaned and/or emptied	2
New flushing cistern provided	1
Conversion of privy middens to pail closets	4

Drainage :

Drains relaid	4
Defective drains repaired or cleansed	188
Soil pipes and ventilating shafts improved or repaired	3
Drains and sewers smoke-tested	2
Rest bend renewed	1
Defective gutters repaired or replaced	9
Defective spouting repaired or replaced	1

Housing :

Floors of dwellings relaid or repaired	3
Walls and ceiling repaired	3
Walls repointed or cement rendered	2
Roofs repaired and made weatherproof	11
Additional windows provided and existing ones repaired and made to open	8
Houses cleansed, disinfested or disinfected	40
Defective fireplaces and firegrates repaired	3
Certificates supporting timber permits	8
Premises supplied with sanitary ashbins	126
Defective doors repaired or new ones provided	4
New sinks provided	1
Defective wastepipe to sink repaired	1
Provision of damp-proof course	2
Chimneys repaired	2
Rear yards cleansed	1

Other Works :

Smoke nuisances dealt with	3
Offensive accumulations removed	5
Factories—W.C.s cleansed	1
Intervening ventilated space	1
Limewashing	1
Washbasins cleansed	1
Walls tiled	1
Notices displayed	1
Unauthorised Site cleared of Caravans	1
Improvements to piggeries, midden steads, etc.	7
Water removed from underneath floor	1
Dairies improved	2
Nuisance from animals abated	2
Ceiling of shop underdrawn	1
Shop provided with hot and cold water	4
Foul pond cleansed	1
Nuisance from animals abated	2

SUMMARY OF VISITS MADE

Number of complaints received and investigated	316
Visits to defective drains and drains tested	289
Visits to work ordered or in progress	55
Visits to owners, agents and contractors	67
Inspection of dairies, milkshops and vehicles	24
Milk samples (all kinds)	109
Visits to bakehouses, restaurants, café-kitchens, snack bars	102
Visits to food preparation rooms	46
Visits to fish friers' premises	46
Visits to butchers' shops	40
Visits re unsound foodstuffs	44
Visits to premises where ice cream is manufactured and/or sold	84
Visits re slaughter of pigs	26
Inspections of piggeries in area	122
Inspections of shops in area (Shops Act, 1950)	685
Samples taken :	
Ice cream	36
Food	21
Water	7
Visits to markets	40
Visits to factories and work-places	309
Visits to caravans and caravan sites	172
Visits re infectious disease (including food poisoning)	250
Visits re Rodent Control (eradication)	525
Visits re Rodent Control (search and survey)	531
Visits re other vermin	74
Visits re refuse collection and disposal	1,208
Articles disinfected	307
Premises disinfected	13
Articles destroyed	59
Enquiries re Council house tenancies	17
Inspections of tenanted Council houses	19
Visits re applications to take in lodgers	23
Housing survey—old property	217
Building licences and permits issued	15
Housing inspections under Public Health Act	44
Housing inspections under Housing Acts (defects, etc.)	243
Intimation and verbal notices	33
Statutory Notices served	10
Inspections under Pet Animals Act	1
Inspections under Rag Flock Act	3
Inspections re conversion of privy middens	37
Visits re smoke nuisances and smells	14
Inspection of offices	30
Inspection of cinemas	9
Miscellaneous inspections	122
	<hr/>
	6,444

PUBLIC HEALTH ACT, 1936—HOUSING ACTS, 1936-49

Details of Statutory Notices Served

Act and Section	Reason for Notice	No. of Notices served	No. of Notices complied with by end of year
Housing Act, 1936 Section 9	Housing defects	8	7
Public Health Act, 1936. Section 75	Provision of a new dust bin	1	Court case—appeal by owner was successful. Tenant to provide bin.
Public Health Act, 1936. Section 93	Land in foul and waterlogged condition	1	Work proceeding at end of year.

SMOKE ABATEMENT

Some complaints have been received during the year regarding alleged smoke nuisance, and these were investigated by the department. Appropriate action was taken where necessary.

OFFICES—PUBLIC HEALTH ACT, 1936

Offices in the area are, for the most part, of a modern character and mostly comply with the requirements of the Act. Thirty visits were paid to offices during the year.

SWIMMING BATHS AND POOLS

There are no public or privately-owned baths or pools in the area which are open to the public.

OFFENSIVE TRADES

There are 13 in number, and are confined exclusively to fish friers. Regular inspections are made, and conditions are generally found to be satisfactory. Forty-six inspections were made during the year.

SHOPS ACT, 1950

A survey of shops was carried out twice during the year, and for that purpose 685 inspections were made. Shops coming within the scope of the Factories Act have been included in the following list, the record of inspections being included under Factories.

Particulars of Shops Visited

Grocery and mixed businesses	....	....	....	....	....	....	51
Bakers and confectioners	....	....	....	....	....	....	25
Sweets, tobacco and newsagents	....	....	....	....	....	....	35
Drapers and fancy goods	....	....	....	....	....	....	23
Ladies' and gent's hairdressers	....	....	....	....	....	....	21
Outfitters and milliners	....	....	....	....	....	....	35
Fried fish shops	...	....	....	....	....	....	12
Butchers' shops	....	....	....	....	....	....	21
Boot and shoe repairers and retailers	....	....	....	....	....	....	15
Greengrocers, fishmongers and florists	....	....	....	....	....	....	21
Chemists	....	...	....	....	....	....	11
Electric, gas, radio, gramophone and cycle dealers	....	....	....	....	....	....	12
Hardware	....	....	....	....	....	....	9
Off licences	....	....	....	....	....	....	6
China, antiques, etc.	....	....	....	....	....	....	2
Plumbers and painters	....	....	....	....	....	....	8
Furnishers	....	....	....	....	....	....	5
Pet stores	....	....	....	....	....	....	2
Opticians	....	....	....	....	....	....	3
Dyers and cleaners	....	....	....	....	....	....	3
Watchmakers	....	....	....	....	....	....	3
Photographic studios	....	....	....	....	....	....	1
Second-hand dealers	....	....	....	....	....	....	1
Booking offices and travel agencies	....	....	....	....	....	....	2
Markets	....	....	....	....	....	....	2
Multiple Store	....	....	....	....	....	....	1
							330

Improvements carried out under the Shops Act, 1950.

1. Provision of sink and cold water supply and impervious slabs	....	2
2. Provision of sink with continuous hot and cold water supply	....	1

MOVEABLE DWELLINGS AND CAMPING SITES

The control of moveable dwellings and camping sites in this area is under the Thornton Cleveleys Improvement Act, 1936, and not under the Public Health Act, 1936.

We have no licensed sites, but four have been used during the year. Three of these are approved and comply with the requirements laid down by the Council, and are permitted to be used for the following number of caravans :

No. 1 Site	206 caravans.
No. 2 Site	40 caravans.
No. 3 Site	30 caravans.

The number of caravans permitted on site No. 1 was increased during the year from 201 to 206.

Each site has been conducted in a satisfactory manner, and there has been no cause for serious complaint from a sanitary point of view.

It has been found upon investigation that some caravans are being used for permanent habitation. It is not the intention of the Council that they should be so used, but for holiday purposes only. When the housing position improves, it is intended that this practice shall cease.

THORNTON CLEVELEYS IMPROVEMENT ACT, 1936

Following a conviction for contravening Section 43 of the above Act, the defendant continued to use land for the purposes of a caravan site, and it was necessary to take further proceedings in the Magistrates' Court to enforce a daily penalty of £1. It is now pleasing to report that the site is closed down and all caravans removed, most of them out of the district.

VERMINOUS PREMISES

Several complaints received during the year were thoroughly investigated, advice and help being given.

Eradiction of ants, wasps, etc., is carried out by proprietary insecticides, latterly the use of D.D.T. powder and Pyagra.

Eradiction of bed bugs is carried out by private contractors using hydrogen cyanide gas. Minor and new infestations are carried out by the department in co-operation with the tenants or owners concerned.

Particulars of Complaints Received and Eradications carried out

Cockroaches	Complaints received	7
	Eradications	7
Ants	Complaints received	22
	Eradications	22
Beetles	Complaints received	7
	Eradications	7
Wasps' Nests	Complaints received	1
	Eradications	1
Woodworm	Complaints received	1
	Eradications	1
Fleas	Complaints received	1
	Eradications	1

RODENT CONTROL

No test-baiting of the foul sewers was carried out during the year, because an exemption certificate had been received from the Divisional Rodent Officer of the Ministry of Agriculture and Fisheries for the year ending 31st March, 1954.

The charges for treatment are as follows :

Private dwelling-houses	....	7s. 6d.
Boarding houses, hotels, business premises	....	Time (at 5/- per hour) plus cost of bait.

Statistics for year 1953 (1st Jan.—31st Dec.)

Number of complaints received	....	71
Number of infestations	....	62
Number of visits for purposes of eradication	....	525
Number of premises successfully treated by L.A.	....	52
Number of visits made—search and survey	....	531

PREVENTION OF DAMAGE BY PESTS ACT, 1949

It was not found necessary to serve any Statutory Notices under the provisions of the above Act. A few intimation notices were served and these were usually sufficient to secure the co-operation of the people concerned.

We experienced no difficulty with regard to the operation of the Act.

Statistics for 15 months ended 31st March, 1954

	Local Authority	Dwelling Houses	Agri- cultural	All other (including business premises)	Total
1. Total number of properties in L.A.'s district	12	4,930	54	620	5,616
2. No. of properties inspected by L.A. during 15 months ended 31st March, 1954, as a result of:	(a) —	35	9	22	66
(a) notification	(b) 11	18	39	559	633
(b) survey	(c) —	—	6	2	8
(c) otherwise					
3. No. of properties inspected which were found to be infested by rats	Major : — Minor : 7	— 26	— 13	— 18	— 64
4. No. of properties inspected which were found to be seriously infested by mice	2	11	—	7	20
5. No. of infested properties treated by L.A.	9	28	6	23	66

DISINFECTION

Disinfection is carried out by means of a formalin spray or by formalin fumigators. A Thresh steam disinfecter was installed in the Council's Depot in 1925.

Disinfection is carried out on request in houses where deaths have occurred from cancer, and in all cases where deaths have occurred from pulmonary tuberculosis.

MONTHLY CHART OF DISINFECTIONS

	Scarlet Fever	Tuberculosis	Polio- myelitis	Whooping Cough	Others
January	1	—	—	—	—
February	—	—	—	—	—
March	1	1	—	—	—
April	—	—	—	1	—
May	—	—	—	—	—
June	—	—	—	—	—
July	—	—	—	—	—
August	1	—	—	—	—
September	—	—	1	—	—
October	—	1	—	—	—
November	—	2	—	—	—
December	3	—	—	—	1
	<u>6</u>	<u>4</u>	<u>1</u>	<u>1</u>	<u>1</u>

Total number of infectious diseases notified	....	....	....	....	239
Total number of premises disinfected	....	....	....	....	13
Total number of articles disinfected	....	....	....	....	309
Total number of articles destroyed	....	....	....	....	59

DESTRUCTION OF DOMESTIC PETS

The modern electrical chamber for the destruction of unwanted dogs and cats is in constant use and has been greatly appreciated by the public. For a charge of 1/-, any person can have a dog or cat painlessly destroyed. The department undertakes the proper disposal of the carcasses.

Number of dogs destroyed in 1953	....	....	....	79
Number of cats destroyed in 1953	....	....	....	81
			£ s. d.	
Total income for destruction of animals	....	....	8 0 0	
Total income from sale of carcasses	....	....	5 0 0	
			<u>£13 0 0</u>	

MARKETS

The only markets in the district are privately owned and have been regularly inspected throughout the year.

SHELL FISH

There are no shell fish beds in our area.

MORTUARY

A modern mortuary, possessing equipment in accordance with present-day practice, has been in use throughout the year. It was used on 15 occasions, and nine post-mortems were conducted by the Police Surgeon.

SCHOOLS

The general conditions of the schools in the area can be said to be satisfactory, each being supplied with Fylde water and modern water closets.

The number of notices for infectious disease forwarded to Head Teachers is as follows :

	Total
Burn Naze	19
Beach Road	17
Church Road Primary	20
Church Road Modern (Boys and Girls)	5
Sacred Heart School	5
Baines Endowed	5
Outside area	12

The six schools (excluding private schools) are under the control of the Lancashire Education Committee and are inspected as required.

RAG FLOCK AND OTHER FILLING MATERIALS ACT, 1951

No premises in the area are licensed for the manufacture of rag flock or other filling materials. There are now three premises on the register where filling materials are used, one new one being registered during the year.

PET ANIMALS ACT, 1951

One pet shop is registered under the above Act. Inspections have been carried out and the premises appear to be conducted in a proper manner, the provisions of the Act being complied with.

PUBLIC HEALTH AMENDMENT ACT, 1907—Section 86

Dealers in Old Metal and Marine Store Dealers

The provisions of the above Section are now in operation, and one certificate has been granted in respect of premises in the Thornton area.

FACTORIES ACT, 1937

Registers are kept of all premises coming within the scope of the Factories Act and regular and frequent inspections are made.

Particulars of inspection, defects, contraventions found and remedied, are enumerated in the following tables. There are no underground bakehouses in the district.

1. Inspection of Factories and other Premises

Premises	Inspections	Written Notices	Occupiers Prosecuted
Factories (without mechanical power)	147	—	—
Factories (with mechanical power)	162	2	—
	309	2	—

2. Defects found in Factories and other Premises

Particulars	Number of cases in which defects were found			
	Found	Remedied	Referred to H.M. Inspector	No. of Offences in respect of which prosecutions were taken
Bakehouses— Limewashing	1	—	—	—
Sanitary Conveniences—				
(a) Insufficient	1	—	—	—
(b) Unsuitable or defective	1	—	—	—
(c) Unclean	1	1	—	—
(d) Dirty Washbasins	2	1	—	—
	6	2	—	—

DEFECTS IN FACTORIES NOT REMEDIED

as at 31st December, 1953

1. Bakehouses : Limewashing	1
2. Sanitary Conveniences :	
Insufficient	1
Defective	1
3. Dirty Washbasins	1

The following table gives the type of premises in the area coming within the scope of the Factories Act :

Type of Factory	With Mechanical Power	Without Mechanical Power
Bakehouses	22	3
Plumbers and Painters	3	8
General Workers	20	13
Joiners and Builders	10	4
Motor Engineers	10	1
Nurserymen	4	16
Tailors, Dressmakers, Milliners	—	2
Boot and Shoe Repairers	13	—
Hairdressers	19	—
Chemical Works	2	—
Alkali Works	1	—
Plastic Works	1	—
	105	47

HOUSING

Number of New Houses Erected

During the year 87 houses and 8 flats were built in the area.

(i) By the Local Authority	21
(ii) By Private Builders for Local Authority (Appendix B)	20
(iii) By other bodies or persons	54

New Houses Erected in 1953 (Ward Distribution)

North Ward	1
South Ward	45
East Ward	20
West Ward	29
	<hr style="width: 100px; margin: 0;"/>
	95
	<hr style="width: 100px; margin: 0;"/>

1. Inspection of Dwelling-houses

1.—(a) Total number of dwelling-houses inspected formally or informally for housing defects (under Public Health or Housing Acts)	23
(b) Number of inspections, formal or informal, made for the purpose	287
2.—(a) Number of dwelling-houses (included under sub-head 1 above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 and 1932	0
(b) Number of inspections made for the purpose	0
3.—Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	0
4.—Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	16

2. Remedy of Defects during the year without service of Formal Notices

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers	7
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3. Action under Statutory Powers during the year

(a) Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936 :	
(1) Number of dwelling-houses in respect of which formal notices were served requiring repairs	9
(2) Number of dwelling-houses which, after service of formal notices, were rendered fit :	
(a) By owners	7
(b) By Local Authority in default of owners	1
(b) Proceedings under Public Health Acts :	
(1) Number of dwelling-houses in respect of which formal notices were served requiring defects to be remedied	0
(2) Number of dwelling-houses in which defects were remedied after service of formal notices :	
(a) By owners	0
(b) By Local Authority in default of owners	0
(c) Proceedings under Sections 11 and 13 of the Housing Act, 1936 :	
(1) Number of dwelling-houses in respect of which Demolition Orders were made	0
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders	0
(d) Proceedings under Section 12 of the Housing Act, 1936 :	
(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made	0
(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit	0

4. Housing Act, 1936. Part IV : Overcrowding

(a) (i) Number of dwellings overcrowded at the end of the year	Numbers not known with any degree of accuracy, but overcrowding does exist.
(ii) Number of families dwelling therein	
(iii) Number of persons dwelling therein	
(b) Number of new cases of overcrowding reported during the year	
(c) (i) Number of cases of overcrowding relieved during the year	
(ii) Number of persons concerned in such cases	

5. Housing Act, 1949. Part II : Improvement Grants, etc.

				Schemes of Private Bodies or Individuals	Schemes of Local Authority
(a)	(i)	Number of Schemes submitted :			
	(a)	By private individuals to Local Authority	1	....	0
	(b)	By Local Authority to Ministry	0	....	0
	(ii)	Number of dwelling-houses or other buildings affected	1	....	0
(b)	(i)	Number of Schemes approved by Ministry	Above awaiting approval at 31/12/53		
	(ii)	Number of dwelling-houses or other buildings affected	0	....	0
	(iii)	Number of additional separate dwell- ings to be provided under these approved Schemes	0	....	0
(c)		Number of additional separate dwellings actually completed during the year	0	....	0
(d)		Any other action taken under the Act (give brief particulars)	0	....	0

INSPECTION AND SUPERVISION OF FOOD

MILK SUPPLY

During the year one dairy ceased to exist and one was transferred to other premises. There were 3 dairies on the register at the end of the year, one of these being sub-standard ; efforts are still being made by the owner to obtain permission to build a new one adjacent to his present premises.

Regular inspections are made and particular attention is paid to the cleanliness of the premises, utensils and all articles coming into contact with the milk. The bulk of the milk is supplied by large dairies from outside the district and regular samples are taken.

Particulars of Distributors of Milk operating in the District

Distributors with premises in the district (including shops)	12
Distributors with premises outside the district	5

In addition, there are approximately 12 producer-distributors in the area.

Licences in Force—Designated Milks (as at 31st December, 1953)

Dealers—Tuberculin Tested Milk	5
Dealers—Tuberculin Tested (Pasteurised) Milk	7
Dealers—Pasteurised Milk	8
Dealers—Accredited Milk	1
Dealers—Sterilised Milk	10
Bottling Licences—Tuberculin Tested	1
Milk Bars	5

COMPLAINTS—MILK SUPPLY

No complaints were received during the year.

NUMBER OF FOOD PREMISES, BY TYPE OF BUSINESS, IN DISTRICT AT END OF YEAR

Type of Business	No.
Cafes, Snack Bars, Restaurants, etc.	30
Manufacturers of Preserved Food (Bakehouses 25, Butchers 16, Cooked Meats 2)	43
Bakers and Confectioners (all included in Manufacturers of Preserved Food)	25
Fried Fish Shops	13
Butchers (most of them included in Manufacturers of Preserved Food)	20
Fishmongers	3
Greengrocers and Fishmongers	8
Premises registered for sale of Ice Cream	59
Premises registered for manufacture of Ice Cream	3
Sweet Manufacturing premises	3
(N.B.—Grocers and Greengrocers retail shops not included)	

NUMBER OF FOOD PREMISES, BY TYPE, REGISTERED UNDER SEC. 14 OF THE FOOD AND DRUGS ACT OR UNDER LOCAL ACTS

Type of business	No. registered at 31/12/53	No. of inspections of registered premises during year
Manufacture of Preserved Food	43	88
Premises registered for manufacture of Ice Cream	3	70
Premises registered for sale of Ice Cream	59	
Dairies	3	
		24

BYE-LAWS UNDER SECTION 15 OF FOOD AND DRUGS ACT, 1938

These Bye-laws have been in operation in the district since 17th July, 1950.

CLEAN FOOD CAMPAIGNS

No special action has been taken during the year, but premises are regularly inspected and co-operation between the department and occupiers of food premises is good.

MILK SAMPLES, 1953

	Methylene Blue Test		Phosphatase Test		Turbidity Test		Total
	Satis.	Not Satis.	Satis.	Not Satis.	Satis.	Not Satis.	
Tuberculin-Tested	—	—	—	—	—	—	—
Tuberculin-Tested (Pasteurised)	5	—	3	—	—	—	8
Pasteurised	12	—	16	—	—	—	28
Ungraded	7	2	—	—	—	—	9
Sterilised	—	—	—	—	—	—	—

In addition—1 sample of ungraded milk taken for Methylene Blue Test.
No result.

1 sample of Sterilised Milk taken for Turbidity Test. No result.

SAMPLES FOR TUBERCLE BACILLI INOCULATION TEST

	Absent	Present
Ungraded	31	—
Tuberculin-Tested	1	—
	32	—

In addition—3 samples of ungraded milk were taken ; in 2 samples " animals died before completion of test " ; in the third sample the syringe broke.

FOOD AND DRUGS ACT, 1938

During the year 27 samples of milk were taken by the County Sanitary Officer for analysis under the above Act.

In addition, 21 samples of foodstuffs were taken, and in each case the sample was satisfactory.

MILK AND DAIRIES REGULATIONS, 1949—REGULATION 20

No action was found necessary under the above Regulations.

INSPECTION AND SUPERVISION OF MEAT AND OTHER FOODS

There are no licensed slaughterhouses in the area, but visits to retail shop premises were paid at frequent intervals. All food preparation premises are regularly inspected at least once a quarter, and for that purpose 362 inspections were carried out (bakehouses, restaurants, cafe kitchens, unsound foodstuffs, fish friers' premises, butchers' shops, ice cream premises, food preparation premises).

CARCASSES INSPECTED AND CONDEMNED

The following are the particulars of animals killed in this area. These are confined to pigs slaughtered under licence from the appropriate authority for individual self-suppliers of meat.

	Cattle excluding cows	Cows	Calves	Sheep and Lambs	Pigs
Number killed (if known) ...	—	—	—	—	26
Number inspected ...	—	—	—	—	26
All Diseases except Tuberculosis					
Whole carcasses condemned ..	—	—	—	—	—
Carcasses of which some part or organ was condemned ..	—	—	—	—	—
Percentage of number inspected affected with disease other than Tuber- culosis ..	—	—	—	—	—
Tuberculosis only—					
Whole carcasses condemned ...	—	—	—	—	—
Carcasses of which some part or organ was condemned	—	—	—	—	—
Percentage of number in- spected affected with Tuber- culosis	—	—	—	—	—

UN SOUND FOODSTUFFS

It was found necessary, after examination and tests, to accept the voluntary surrender of the following foodstuffs :

FOODSTUFF				WEIGHT		
	Tins	P'k'ts.	Jars	cwts.	lbs.	ozs.
Ox Tongue	4	—	—	—	20	4
Calf's Tongue	1	—	—	—	—	12
Danish Lunch Tongue	1	—	—	—	—	12
Pork Luncheon Meat	3	—	—	—	10	0
Minced Meat Loaf	2	—	—	—	1	8
Stewed Steak	14	—	—	—	14	0
Jellied Veal	7	—	—	—	42	0
Australian Beef	—	—	—	1	4	0
Leg of Pork	—	—	—	—	15	4
Sheep's Liver	—	—	—	—	2	8
French Sausages	1	—	—	—	—	14
Salmon	8	—	—	—	3	4
Lobster	2	—	—	—	—	7½
Grouse in Aspic	—	—	1	—	1	0
Duck in Aspic	—	—	1	—	1	0
Tomatoes	6	—	—	—	7	1
Soup	2	—	—	—	1	9½
Pickles	—	—	6	—	3	7
Peas	49	—	—	—	26	7½
Beans	3	—	—	—	3	0
Evaporated Milk	8	—	—	—	5	13
Cream	59	—	—	—	22	0
Cherries	73	—	1	—	39	3
Pears	8	—	—	—	6	14
William Pears (Italian)	—	—	—	—	20	0
Oranges	4	—	—	—	3	14
Prunes	12	—	—	—	22	8
Plums	45	—	—	—	79	0½
Apples	28	—	—	—	39	13
Peaches	—	—	9	—	7	2
Damsons	7	—	—	—	7	0
Grapes	1	—	—	—	1	12
Strawberries	3	—	—	—	2	12½
Gooseberries	2	—	—	—	2	0
Blackcurrants	1	—	—	—	1	0
Red Currant Jam	—	—	1	—	—	8
Marmalade	—	—	2	—	2	0
Spaghetti	6	—	—	—	3	15
Cheese and Tomato	—	—	2	—	—	2
Cheese	—	16	—	—	—	—
Mixed Cut Peel	—	1	—	—	—	8
Potato Crisps	—	198	—	—	—	—
Frozen Eggs	1	—	—	—	16	0
Butter	—	—	—	—	42	0
Yeast	—	12	—	—	12	0
	<u>361</u>	<u>227</u>	<u>23</u>	<u>25</u>	<u>16</u>	<u>15</u>

METHOD OF DISPOSAL OF CONDEMNED FOODS

If possible, any condemned foodstuffs are burned in the Council's boiler, but if this is not possible, they are disposed of by burying on the Council's refuse tip.

ICE CREAM

During the year only one factory was manufacturing ice cream (heat treated). In addition 61 dealers were on the register at the end of the year. The premises generally are of a satisfactory standard and possess the necessary modern equipment, including steam sterilisation plants. Regular and frequent inspections were carried out at all premises, 84 inspections being made.

ANALYSIS OF SAMPLES OF ICE CREAM

Sender's Ref. No.	Methylene Blue Test Provisional Grade :				Result—Satisfactory or Not
	1	2	3	4	
1	—	—	—	—	No result
2	1	—	—	—	Yes
3	—	—	—	—	No result
4	1	—	—	—	Yes
5	1	—	—	—	Yes
6	1	—	—	—	Yes
7	—	—	1	—	No
8	1	—	—	—	Yes
9	1	—	—	—	Yes
10	1	—	—	—	Yes
11	1	—	—	—	Yes
12	—	1	—	—	Yes
13	1	—	—	—	Yes
14	1	—	—	—	Yes
15	1	—	—	—	Yes
16	—	1	—	—	Yes
17	1	—	—	—	Yes
18	1	—	—	—	Yes
19	—	—	1	—	No
20	1	—	—	—	Yes
21	—	—	1	—	No
22	1	—	—	—	Yes
23	1	—	—	—	Yes
24	1	—	—	—	Yes
25	—	—	—	1	No
26	—	—	1	—	No
27	—	—	—	1	No
28	1	—	—	—	Yes
29	1	—	—	—	Yes
30	1	—	—	—	Yes
31	1	—	—	—	Yes
32	1	—	—	—	Yes

Number of Samples taken for Methylene Blue Test	32
Satisfactory	24
Not Satisfactory ..	6
Samples—no result	2

Samples obtained from Manufacturers in Area :

	Total	Satisfactory	Not Satisfactory
Manufacturer "A": 9, 22	2	2	—

Samples obtained from Manufacturers outside Area :

	Total	No Result	Satisfac- tory	Not Satisfac- tory
Manufacturer "B" : 1, 7, 12, 19, 25, 27, 29, 32	8	1	3	4
Manufacturer "C" : 2, 13, 24	3	—	3	—
Manufacturer "D" : 3, 8, 16, 21, 23, 26	6	1	3	2
Manufacturer "E" : 4, 11, 14, 20, 28	5	—	5	—
Manufacturer "F" : 5, 10, 15, 18, 31	5	—	5	—
Manufacturer "G" : 6, 17, 30,	3	—	3	—

Samples for Quality Analysis

During the year the following informal samples were taken for Quality Analysis.

No.	Fat Content	Total Solids	Milk Solids	Sugar
1	12.4%	—	8.8%	15.3%
2	6.8%	—	7.5%	16.3%
3	7.2%	38.3%	9.7%	—
4	12.6%	34.8%	8.5%	—

Sample taken from Manufacturer in Area :

Manufacturer "A" : 2.

Samples taken from Manufacturers outside Area :

Manufacturer "B" : 1.

Manufacturer "C" : 3.

Manufacturer "D" : 4.

METEOROLOGICAL OBSERVATIONS.

The rainfall is taken daily at 9.0 a.m. at the Council's Depot, and reports are placed monthly before the Council.

YEAR	January	February	March	April	May	June	July	August	September	October	November	December	Total
1939	3.43	2.17	1.77	2.56	0.76	2.63	6.22	1.79	0.92	1.76	4.28	2.21	30.50
1940	2.60	1.65	3.25	1.76	1.71	0.40	2.77	1.15	2.37	3.62	4.51	3.20	28.99
1941	1.18	3.49	2.29	0.72	3.10	0.57	0.94	2.42	0.90	4.10	1.95	1.03	22.69
1942	3.04	1.47	2.22	1.53	2.93	0.77	3.02	3.85	2.32	3.31	0.81	3.36	28.63
1943	5.83	1.74	0.55	1.92	3.29	2.10	4.63	4.74	4.78	4.50	2.73	1.56	38.37
1944	3.59	1.00	0.49	3.20	2.38	1.79	2.76	3.19	4.27	4.43	6.27	3.73	37.10
1945	2.29	4.54	1.57	1.70	3.40	2.80	2.59	0.71	3.48	5.21	0.15	2.93	31.37
1946	4.99	3.71	0.93	1.06	1.91	2.42	3.73	4.15	5.06	0.57	6.09	4.26	38.88
1947	2.95	0.55	4.81	3.21	4.57	2.43	3.16	0.66	3.45	0.50	3.73	2.08	32.10
1948	6.19	1.58	1.62	1.21	1.33	5.03	1.79	3.09	4.68	3.20	2.73	2.39	38.84
1949	1.85	1.36	1.74	2.77	3.04	0.30	3.21	2.55	0.79	4.74	3.35	5.25	30.95
1950	1.56	4.05	1.67	2.02	0.75	1.47	2.78	6.60	6.33	3.27	4.39	2.60	37.49
1951	4.03	3.19	4.67	1.10	3.34	1.04	1.52	3.37	3.74	1.53	9.04	7.61	44.18
1952	2.94	0.79	2.26	2.87	2.71	2.41	1.42	3.51	3.56	3.73	1.71	3.24	31.15
1953	1.52	0.85	0.54	2.66	2.07	1.62	4.60	3.86	5.18	1.78	4.57	1.85	31.10

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